

Supplemental Figure 1: Alignments of amiRNAs to target genes.

5'..CGACACUACGUUCACUGUUA..3' LFY At5g61850
 ||||| |||||||||
 3'gcugucaugcaagugacaau 5' amiR-lfy-1 ΔG: -31.5 kcal/mol (85.83%)

5'..GGGAGCAUCCGUUUUAUCGUAA..3' LFY At5g61850
 | | | | | | | | | | | | | |
 3'cgcucguuggcaaauagcauu 5' amiR-lfy-2 ΔG: -31.5 kcal/mol (79.15%)

5'..CAACCCUCACCUCCGAGAAUA..3' FT At1g65480
 ||||| ||||||||| | | | | | | | |
 3'aaccaauuuuccuucuccgg 5' amiR-ft-1 ΔG: -35.5 kcal/mol (86.59%)

5'..ggcuucuuccuuuaauaaccua..3' FT At1g65480
 | | | | | | | | | | | | | |
 3'ccggagaaggaaauauugguu 5' amiR-ft-2 ΔG: -37.0 kcal/mol (94.39%)

5'..CCGCCGCAACAUUCACUAA..3' GUN4 At3g59400
 | | | | | | | | | | | | | |
 3'ggccgcguuguaagagugauu 5' amiR-white-1 ΔG: -34.2 kcal/mol (81.04%)

5'..GCAACGCAAAUCUGGUAAA..3' GUN4 At3g59400
 | | | | | | | | | | | | | |
 3'cgcugcguuuuagaccaaauu 5' amiR-white-2 ΔG: -32.3 kcal/mol (84.55%)

5'..GGUGAGUAGUAUCGAAUGGGA..3' CPC At2g46410
 | | | | | | | | | | | | | |
 3'ccgcucgucauagcuaaccu 5' amiR-trichome ΔG: -40.0 kcal/mol (88.50%)

5'..AGUGAGCAGUAUCGAAUGGGA..3' TRY At5g53200
 | | | | | | | | | | | | | |
 3'ccgcucgucauagcuaaccu 5' amiR-trichome ΔG: -40.6 kcal/mol (89.82%)

5'..AGUGAGUAGCAUCGAAUGGGA..3' ETC2 At2g30420
 | | | | | | | | | | | | | |
 3'ccgcucgucauagcuaaccu 5' amiR-trichome ΔG: -33.2 kcal/mol (73.45%)

5'..GACAAGUCACUUUCUCACAAA..3' AGL17 At2g22630
 | | | | | | | | | | | | | |
 3'cuguucagugaaagagguuuu 5' amiR-mads-1 ΔG: -37.5 kcal/mol (100.00%)

5'..GACAAGUCACUUUCUCACAAAC..3' MAF1 At1g77080
 | | | | | | | | | | | | | |
 3'cuguucagugaaagagguuuu 5' amiR-mads-1 ΔG: -37.0 kcal/mol (98.67%)

5'..GACAAGUGACUUUCUCACAAA..3' SOC1 At2g45660
 | | | | | | | | | | | | | |
 3'cuguucagugaaagagguuuu 5' amiR-mads-1 ΔG: -31.8 kcal/mol (84.80%)

5'..GACAAGUCACUUUCUCACAAAC..3' At4g37940 (MADS-box protein)
 | | | | | | | | | | | | | |
 3'cuguucagugaaagagguuuu 5' amiR-mads-1 ΔG: -37.0 kcal/mol (98.67%)

5'..GACAAGUCACUUUCUCCAAAC..3' MAF2 At5g65050
 ||||||| ||||| |||||
 3'cuguucagugaaagagguuuu 5' amiR-mads-1 ΔG: -37.0 kcal/mol (98.67%)

5'..GACAAGUCACUUUCUCCAAAC..3' MAF3 At5g65060
 ||||||| ||||| |||||
 3'cuguucagugaaagagguuuu 5' amiR-mads-1 ΔG: -37.0 kcal/mol (98.67%)

5'..GACAAGUGACUUUCUCCAAGA..3' ANR1 At2g13210
 ||||||| ||||| |||||
 3'cuguucagugaaagagguuuu 5' amiR-mads-1 ΔG: -31.2 kcal/mol (83.20%)

5'..GACAAGUCUUCUCCUCAAAG..3' At5g09680 cytochrome b5-domain containing protein
 ||||||| ||| |||||
 3'cuguucagugaaagagguuuu 5' amiR-mads-1 ΔG: -27.4 kcal/mol (73.07%)

5'..GACAAGUCACCUUCUCCAAC..3' FLC At5g10140
 ||||||| ||||| |||||
 3'cuguucagugaaagagguuuu 5' amiR-mads-1 ΔG: -33.2 kcal/mol (88.53%)

5'..GCUGAAGAGGAUAGAGAACAA..3' AGL3 At2g03710
 ||||||| ||||| |||||
 3'cgacuucuccuaucuuguu 5' amiR-mads-2 ΔG: -40.1 kcal/mol (100.00%)

5'..GCUGAAGAGGAUAGAGAACAA..3' AGL2/SEP1 At5g15800
 ||||||| ||||| |||||
 3'cgacuucuccuaucuuguu 5' amiR-mads-2 ΔG: -40.1 kcal/mol (100.00%)

5'..GCUGAAGAGGAUAGAGAACAA..3' FUL At5g60910
 ||||||| ||||| |||||
 3'cgacuucuccuaucuuguu 5' amiR-mads-2 ΔG: -40.1 kcal/mol (100.00%)

5'..GAUGAAGAGGAUAGAGAACAA..3' AGL6 At2g45650
 | ||||| ||||| |||||
 3'cgacuucuccuaucuuguu 5' amiR-mads-2 ΔG: -35.5 kcal/mol (88.53%)

5'..GCUCAAGAGGAUAGAGAACAA..3' AGL4/SEP2 At3g02310
 ||| ||||| ||||| |||||
 3'cgacuucuccuaucuuguu 5' amiR-mads-2 ΔG: -34.3 kcal/mol (85.54%)

5'..AUUGAAGAGGAUAGAGAACAA..3' AGL9 At1g24260
 ||||||| ||||| |||||
 3'cgacuucuccuaucuuguu 5' amiR-mads-2 ΔG: -35.6 kcal/mol (88.78%)

5'..AUUGAAGAGGAUAGAGAACAA..3' CAL At1g26310
 ||||||| ||||| |||||
 3'cgacuucuccuaucuuguu 5' amiR-mads-2 ΔG: -35.6 kcal/mol (88.78%)

5'..AUUGAAGAGGAUAGAGAACAA..3' AP1 At1g69120
 ||||||| ||||| |||||
 3'cgacuucuccuaucuuguu 5' amiR-mads-2 ΔG: -35.6 kcal/mol (88.78%)

5'..GCUGAAGAAGAUGGAGAACAA..3' At5g03060 expressed protein
 ||||||| ||| ||||| |||||
 3'cgacuucuccuaucuuguu 5' amiR-mads-2 ΔG: -34.0 kcal/mol (84.79%)

5'..UCAGAAGAGGAUAGAUACAA..3' At1g51890 LRR protein kinase
 | ||||| ||||| |||||
 3'cgacuucuccuaucuuguu 5' amiR-mads-2 ΔG: -28.8 kcal/mol (71.82%)

